



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Roger Y. TSIEN, et al.

Docket No: 39754-0861CPDV3C1

Patent No.: 6,800,733 *B2*

Issue Date: October 5, 2004

Serial No: 10/024,686

Filed: December 17, 2001

For: MODIFIED GREEN FLUORESCENT PROTEINS

Attn: Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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**Certificate
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REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR 1.322 AND 1.323

- ☒ Transmitted herewith are the following documents.
- ☒ Certificate of Correction PTO form 1050 (in duplicate); and
- ☒ Postcard for date-stamped return as confirmation of receipt of these materials.

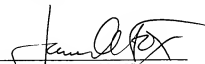
Applicants request that a Certificate of Correction under 37 C.F.R. §1.322 and 37 C.F.R. §1.323 be issued for U.S. Patent No. 6,800,733 to correct errors in the issued patent. In particular, Applicants hereby request that U.S. Patent No. 6,800,733 which issued on October 5, 2004 from U.S. Patent Application Serial No. 10/024,686 filed December 17, 2001, be corrected to correct claims 2, 6, 7, and 8 in columns 15, 17 and 18 so that the word "lie" is replaced with the correct term "lie" and to delete the symbol "-" between the words "sequence" and "comprises" in claim 7, column 17, as indicated in the corrected claims on the attached form.

Please process the enclosed Certificate of Correction relative to the above-identified patent.

Please send the Certificate of Correction to the undersigned attorney of record at the address set forth below.

FEE AUTHORIZATION: The corrections are not due to any error by applicant and no fee is due. However, in the event that a fee is due, the Commissioner is hereby authorized to charge any such fees to Deposit Account 08-1641.

Date: May 12, 2005


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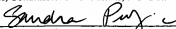
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Date: May 12, 2005


Sandra Puljic

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 6,800,733 *B2*
DATED : October 5, 2004
INVENTOR(S) : Roger Y. Tsien, et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Claim 2, should be changed from "2. A composition of matter comprising a modified form of an Aequorea wild-type GFP polypeptide, wherein the amino acid sequence of said modified form of an Aequorea wild-type GFP polypeptide is at least 95% homologous to the amino acid sequence of SEQ ID NO:2 and comprises a replacement of *lie* at a position corresponding to position 167 of the wild-type GFP sequence by *Val* or *Thr* and wherein, upon oxidation and cyclization of amino acid residues in the modified form corresponding to positions 65 to 67 of wild-type GFP polypeptide sequence (SEQ ID NO:2), a fluorescent polypeptide having two main excitation peaks, with increased fluorescence exhibited at a longer-wavelength peak of the two main excitation peaks as compared with a corresponding polypeptide of the wild-type GFP polypeptide sequence is formed." to - - 2. A composition of matter comprising a modified form of an Aequorea wild-type GFP polypeptide, wherein the amino acid sequence of said modified form of an Aequorea wild-type GFP polypeptide is at least 95% homologous to the amino acid sequence of SEQ ID NO:2 and comprises a replacement of *lie* at a position corresponding to position 167 of the wild-type GFP sequence by *Val* or *Thr* and wherein, upon oxidation and cyclization of amino acid residues in the modified form corresponding to positions 65 to 67 of wild-type GFP polypeptide sequence (SEQ ID NO:2), a fluorescent polypeptide having two main excitation peaks, with increased fluorescence exhibited at a longer-wavelength peak of the two main excitation peaks as compared with a corresponding polypeptide of the wild-type GFP polypeptide sequence is formed. - -

Claim 6, should be changed from "6. A composition according to claim 4, wherein the modified form of the wild-type GFP sequence comprises a replacement of *Tyr* at a position corresponding to position 66 of the wild-type GFP sequence by *Trp*, a replacement of *Asn* at position 146 by *lie*, a replacement of *Met* at position 153 by *Thr*, a replacement of *Val* at position 163 by *Ala*, and a replacement of *Asn* at position 212 by *Lys*." to - - 6. A composition according to claim 4, wherein the modified form of the wild-type GFP sequence comprises a replacement of *Tyr* at a position corresponding to position 66 of the wild-type GFP sequence by *Trp*, a replacement of *Asn* at position 146 by *Ile*, a replacement of *Met* at position 153 by *Thr*, a replacement of *Val* at position 163 by *Ala*, and a replacement of *Asn* at position 212 by *Lys*. - -

Claim 7, should be changed from "7. A composition according to claim 4, wherein the modified form of the wild-type GFP sequence comprises a replacement of *Tyr* at a position corresponding to position 66 of the wild-type GFP sequence by *Trp*, a replacement of *Ile* at position 123 by *Val*, a replacement of *Tyr* at position 145 by *His*, a replacement of *His* at position 148 by *Arg* a replacement of *Met* at position 153 by *Thr*, a replacement of *Val* at position 163 by *Ala*, and a replacement of *Asn* at position 212 by *Lys*." to - - 7. A composition according to claim 4, wherein the modified form of the wild-type GFP sequence comprises a replacement of *Tyr* at a position corresponding to position 66 of the wild-type GFP sequence by *Trp*, a replacement of *Ile* at position 123 by *Val*, a replacement of *Tyr* at position 145 by *His*, a replacement of *His* at position 148 by *Arg* a replacement of *Met* at position 153 by *Thr*, a replacement of *Val* at position 163 by *Ala*, and a replacement of *Asn* at position 212 by *Lys*. - -

Claim 8, should be changed from "8. A composition of matter comprising a modified form of an Aequorea wild-type GFP polypeptide, wherein the amino acid sequence of said modified form of an Aequorea wild-type GFP polypeptide is at least 95% homologous to the amino acid sequence of SEQ ID NO:2 and comprises a replacement of *Ser* at a position corresponding to position 65 of the wild-type GFP sequence by an amino acid selected from the group consisting of *Ala*, *Cys*, *Thr*, *Leu*, *Val* and *Ile* and wherein, upon oxidation and cyclization of amino acid residues in the modified form corresponding to positions 65 to 67 of wild-type GFP polypeptide sequence (SEQ ID NO:2), a fluorescent polypeptide with

enhanced fluorescence as compared with a corresponding polypeptide of the wild-type GFP polypeptide sequence is formed." to -- 8. A composition of matter comprising a modified form of an Aequorea wild-type GFP polypeptide, wherein the amino acid sequence of said modified form of an Aequorea wild-type GFP polypeptide is at least 95% homologous to the amino acid sequence of SEQ ID NO:2 and comprises a replacement of Ser at a position corresponding to position 65 of the wild-type GFP sequence by an amino acid selected from the group consisting of Ala, Cys, Thr, Leu, Val and Ile and wherein, upon oxidation and cyclization of amino acid residues in the modified form corresponding to positions 65 to 67 of wild-type GFP polypeptide sequence (SEQ ID NO:2), a fluorescent polypeptide with enhanced fluorescence as compared with a corresponding polypeptide of the wild-type GFP polypeptide sequence is formed. - -

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This collection of information is required by 37 C.F.R. 1.322, 1.323 and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 C.F.R. 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions by reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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